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(11) **EP 1 026 688 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
13.06.2001 Bulletin 2001/24

(51) Int Cl.7: **G11B 33/12**

(43) Date of publication A2:
09.08.2000 Bulletin 2000/32

(21) Application number: **00300730.9**

(22) Date of filing: **31.01.2000**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

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(30) Priority: **02.02.1999 US 243151**

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(54) **Removable integrated multiple internal disk drive subsystem**

(57) A computer system and a method of servicing the system utilize a disk drive array assembly (12) that can be internally installed into and removed from a host electronic casing (10) of the system as a single unit. The disk drive array assembly is an integrated single unit, housing a number of hard disk drives (18, 20, 22, 24 and 26). The disk drive array assembly can support a redundant inexpensive, or independent, disks (RAID) system. The disk drive array assembly is comprised of a disk cage (46), a backplane (16) and the hard disk drives. The disk cage and the backplane form an integrated housing unit (14 and 16) for the hard disk drives. The disk cage includes a number of tracks (50a, 50b, 52a, 52b, 54a, 54b, 56a, 56b, 58a and 58b), located on two lateral interior surfaces of the disk cage. Each track on one surface of the disk cage is laterally aligned to a track on the other surface. A pair of aligned tracks is designed to guide a single hard disk drive that is being inserted into the disk cage. In addition, the same pair of aligned tracks provides support for the disk drive after being inserted into the disk cage. The unitary design of the disk drive array assembly allows the disk drive array assembly to be transferred from one computer system to another computer system in an intact condition. Furthermore, the unitary design provides easy access to other electronic devices contained within the host electronic

casing, since the disk drive arrays assembly can be removed from the host electronic casing in the same intact condition.

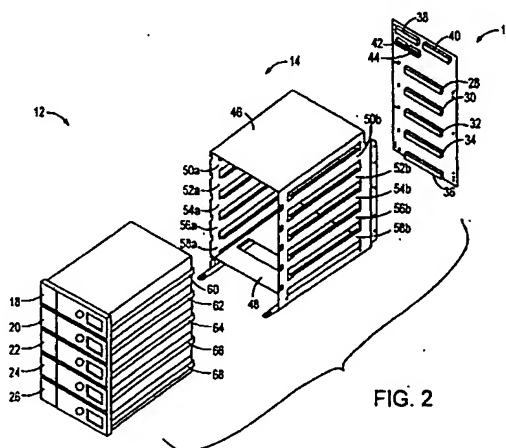


FIG. 2

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Application Number

EP 00 30 0730

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Place of search THE HAGUE		Date of completion of the search 23 April 2001	Examiner Declat, M
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EPO FORM 1503 03.82 (P04C01)



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X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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